

anti-MIF antibody binds to the 12.5 kDa human MIF consisting of the amino acid sequence of
SEQ ID NO: 5.

D₁
67. (Twice Amended) The diagnostic method of Claim 66, wherein the sample is selected from the group consisting of blood, serum, urine, lymph, saliva, tumor tissue, placental tissue, umbilical cord tissue, amniotic fluid, chorionic villi tissue and combinations thereof.

Please add the following new claims:

--75. (New) The diagnostic method of Claim 66, wherein the sample is a member selected from the group consisting of body fluid, tissue and cell lysate.

76. (New) A diagnostic method for determining an amount of MIF protein in a sample, comprising:

(a) obtaining a sample; and

(b) determining the amount of MIF in the sample using a direct or an indirect detection technique and wherein MIF is a human MIF polypeptide having a molecular weight of approximately 12.5 kDa, and consisting of the amino acid sequence of SEQ ID NO: 5.

D₂
77. (New) The diagnostic method of Claim 76, wherein the direct detection technique is mass spectrometry or circular dichroism spectroscopy.

78. (New) The diagnostic method of Claim 76, wherein the indirect detection technique involves an immunoassay.

79. (New) The diagnostic method of Claim 76, wherein the sample is selected from the group consisting of blood, serum, urine, lymph, saliva, tumor tissue, placental tissue, umbilical cord tissue, amniotic fluid, chorionic villi tissue and combinations thereof.

80. (New) The diagnostic method of Claim 76, wherein the sample is a member selected from the group consisting of body fluid, tissue and cell lysate.--
